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NOTICE OF ALLOWANCE AND FEE(S) DUE

01333

7590

12/15/2003

PATENT LEGAL STAFF EASTMAN KODAK COMPANY 343 STATE STREET ROCHESTER, NY 14650-2201 EXAMINER
BRINICH, STEPHEN M

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PAPER NUMBER

ART UNIT

DATE MAILED: 12/15/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/470 604	12/22/1999	ANDREW C GALLAGHER	80041-DMW	6360

TITLE OF INVENTION: METHOD FOR EHNANCING THE EDGE CONTRAST OF A DIGITAL IMAGE INDEPENDENTLY FROM THE TEXTURE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	03/15/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for

maintenance fee notification	ns.					
CURRENT CORRESPONDENCE	ably mark-up with any corrections o	Fee(s)		of mailing can only be used for This certificate cannot be used nal paper, such as an assignment	for any other accompanying	
01333 7	590 12/	15/2003		have its own certification	nal paper, such as an assignmate of mailing or transmission.	
PATENT LEGA EASTMAN KODA 343 STATE STRE	AK COMPANY	<i>(</i>		Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.		
ROCHESTER, NY	7 14650-2201			transmitted to the US	SPTO, on the date indicated be	•
						(Depositor's name)
						(Signature)
		· · · · · · · · · · · · · · · · · · ·				(Date)
APPLICATION NO.	FILING DAT	TE	FIRST NAMED INVEN	TTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/470,604	12/22/199	9	ANDREW C. GALLA	GHER	80041-DMW	6360
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APPLN. TYPE	SMALL ENTI	TY ISSUE F	FEE PI	UBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
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	STEPHEN M	2624		LASS-SUBCLASS 382-266000	_	
1. Change of correspondence			Υ	the patent front page		
Address form PTO/SB/1	22) attached. ion (or "Fee Addres	nange of Correspondence ss" Indication form sched. Use of a Customer	agents OR, alterr firm (having as a agent) and the na	3 registered patent latively, (2) the name member a registered lates of up to 2 regists. If no name is list	e of a single d attorney or stered patent	
3. ASSIGNEE NAME AND	RESIDENCE DA	TA TO BE PRINTED ON	THE PATENT (print	or type)		
	an assignee is idered to the USPTO or	ntified below, no assignee of is being submitted under se		e patent. Inclusion of tion of this form is No	assignee data is only appropri OT a substitute for filing an ass OUNTRY)	ate when an assignment has ignment.
Please check the appropriate	e assignee category	or categories (will not be p	rinted on the patent);	⊔ individual ∟	corporation or other private g	roup entity 🚨 governmen
4a. The following fee(s) are	enclosed:	41	b. Payment of Fee(s):			
☐ Issue Fee ☐ Publication Fee				nount of the fee(s) is e		
☐ Advance Order - # of	Conies			t card. Form PTO-203	of is attached. charge the required fee(s), or	cradit any overnovment to
			Deposit Account Nu	mber	(enclose an extra o	copy of this form).
Director for Patents is reque	ested to apply the Is:	sue Fee and Publication Fee	c (if any) or to re-appl	y any previously paid	issue fee to the application ide	intified above.
(Authorized Signature)		(Date)				
other than the applicant;	a registered attorn	(if required) will not be ac ey or agent; or the assign States Patent and Tradema	ee or other party in			
obtain or retain a benefit application. Confidentialit estimated to take 12 minu completed application for case. Any comments on suggestions for reducing Patent and Trademark 22313-1450. DO NOT SEND TO: Commissioner	by the public whicy is governed by 35 test to complete, inc m to the USPTO. The amount of tirthis burden, should Office, U.S. Depgend FEES OR (for Patents, Alexan	7 37 CFR 1.311. The inform this is to file (and by the U.S. C. 122 and 37 CFR 1. cluding gathering, preparing Time will vary depending me you require to complebe sent to the Chief Informartment of Commerce, ACOMPLETED FORMS TO dria, Virginia 22313-1450.	SPTO to process) an .14. This collection is g, and submitting the upon the individual ete this form and/or mation Officer, U.S. Alexandria, Virginia D THIS ADDRESS.			
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			2624	<u>î</u>	
				DATE MAILED: 12/15/2003	6

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



UNITED STATES DEP. MENT OF COMMERCE U.S. Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

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CONTROL NO.	FILING DATE	PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
			EXAMINER

ART UNIT PAPER

6

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

	Application No.	Applicant(s)				
N .: 6 A H . 1 : 1: 1	09/470,604	GALLAGHER ET AL.				
Notice of Allowability	Examiner	Art Unit				
	Stephen M Brinich	2624				
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOR of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS				
1. This communication is responsive to <u>Amdt A filed 17 Septe</u>	<u>mber 2003</u> .					
2. The allowed claim(s) is/are 1,2,4-34 and 36-52.	ominor					
 3. ☐ The drawings filed on 19 April 2000 are accepted by the Ex 4. ☐ Acknowledgment is made of a claim for foreign priority units. 						
a) All b) Some* c) None of the:	der 00 0.0.0. 3 1 10(d) (d) 01 (i).					
1. Certified copies of the priority documents have	been received.					
2. Certified copies of the priority documents have	been received in Application No	·				
3. Copies of the certified copies of the priority doc	cuments have been received in this r	national stage application from the				
International Bureau (PCT Rule 17.2(a)). * Certified copies not received:						
 5. Acknowledgment is made of a claim for domestic priority un reference was included in the first sentence of the specifical 						
(a) The translation of the foreign language provisional ap	• •					
6. Acknowledgment is made of a claim for domestic priority un in the first sentence of the specification or in an Application		nce a specific reference was included				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of t						
7. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give						
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftsperson 1) ☐ hereto or 2) ☐ to Paper No.		948) attached				
(b) ☐ including changes required by the proposed drawing correction filed, which has been approved by the Examiner.						
(c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No						
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the						
9. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FOR THE						
Attachment(s)						
1 ☐ Notice of References Cited (PTO-892)	5 Notice of Informal Pat	tent Application (PTO-152)				
2☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	PTO-413), Paper No					
3 Information Disclosure Statements (PTO-1449 or PTO/SB/08) Paper No.	7 Examiner's Amendme	ent/Comment				
4 Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's Statemen 9⊡ Other .	t of Reasons for Allowance				

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DETAILED ACTION

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance:

Re claim 1 (and dependent claims 2 & 4-19), the art of record does not teach or suggest the isolation of a pedestal signal and a texture signal in conjunction with the described split-channel image processing using a predetermined tone scale conversion normalized for the result of a regional statistical processing.

Re claim 20 (and dependent claims 21-33), the art of record does not teach or suggest the recited arrangement of first and second intermediate values derived from a tone scale function and inverse scaling function in determining an enhanced pixel value.

Re claim 34 (and dependent claims 36-52), the art of record does not teach or suggest the isolation of a low-pass signal and a high-pass signal in conjunction with the described splitchannel image processing using a predetermined tone scale conversion normalized for the result of a regional statistical processing.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to

Application/Control Number: 09/470,604

Art Unit: 2624

avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen M. Brinich at 703-305-4390. The examiner can normally be reached on weekdays 7:00-4:30, alternate Fridays off.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Tech Center 2600 Customer Service center at 703-306-0377.

If attempts to contact the examiner and the Customer Service Center are unsuccessful, supervisor David Moore can be contacted at 703-308-7452.

Faxes pertaining to this application should be directed to the Tech Center 2600 official fax number, which is 703-872-9306.

Stephen M Brinich Examiner Art Unit 2624 Page 3

smb Amb

December 8, 2003

THOMAS D.

ESTABLE LEE

DRIMARY EXAMINER